

APRIL/MAY 2024

FIM31/CIM31 — PROGRAMMING IN C

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is keywords in C?
2. Define constants.
3. Define GOTO statements.
4. What is decision making?
5. Write note on: Arrays.
6. Note on: Strings.
7. List out the functions.
8. Define call by value.
9. What is structure with syntax?
10. Define files in C.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions.

11. (a) Explain about the history of 'C'.

Or

- (b) Discuss about the importance of 'C' language.

12. (a) Explain about

(i) If statement

(ii) Nested-if-statement.

Or

- (b) Write the difference between while and Do-while.

13. (a) Discuss about two-dimensional array with example.

Or

- (b) Explain the reading the text with example.

14. (a) What is user-define function? Explain with example.

Or

- (b) Discuss about access modifiers.

15. (a) Explain about file management with example.

Or

- (b) Discuss about command line argument.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Describe the datatypes in C with example.

17. Explain about branching statements with example.

18. Briefly explain about pointers with example.

19. Detailly explain about recursion with example.

20. Write short notes on

(a) `fopen()`

(b) `fclose()` with example.

